Supplementary file

Pore-scale investigation of brine evaporation and salt precipitation in fractured porous media

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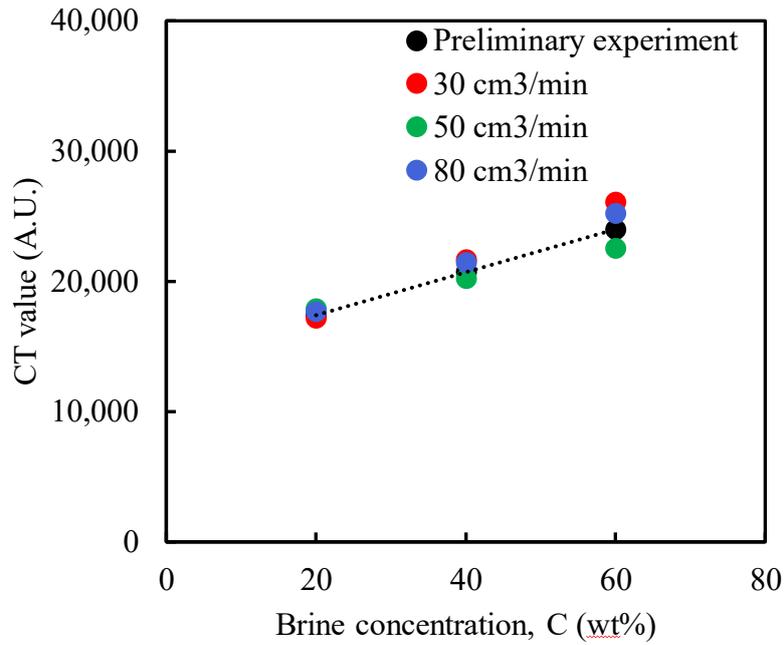[*] Corresponding author (ORCID: 0000-0002-2027-4178)

Fig. S1. Relationship between CT value and brine salinity which is used in the present work. The dashed black line is the linear regression line (C = (CT value − 14100)/165) with R^2 = 0.9.

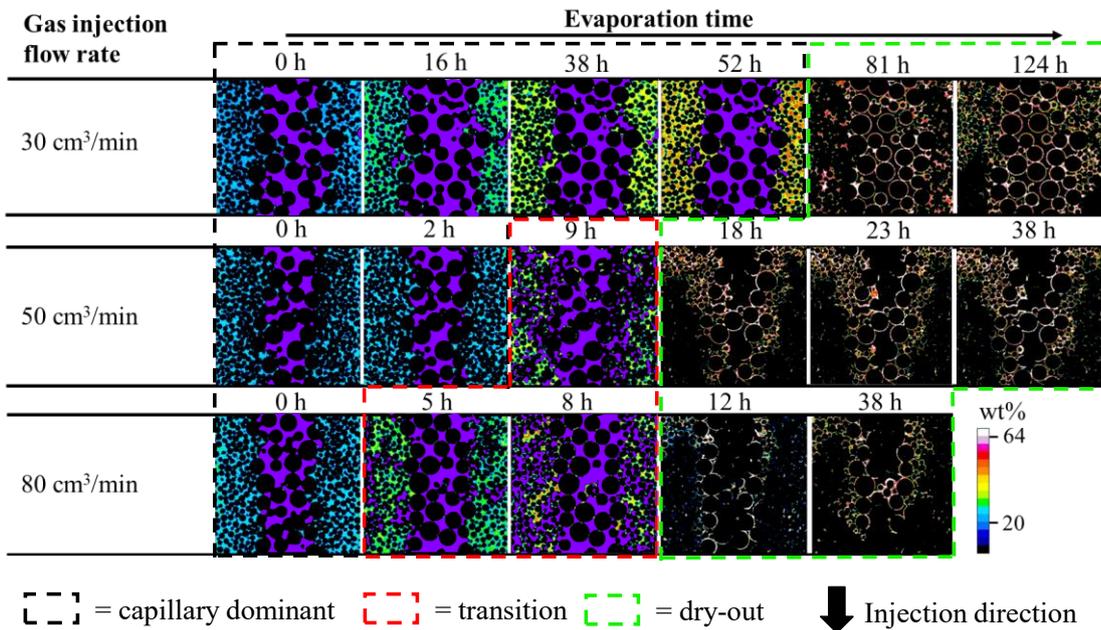= capillary dominant   = transition   = dry-out   ⬇ Injection direction

Fig. S2. Distribution of salinity in trapped brine and corresponding salt precipitation in the fractured porous media, visualized as vertical cross-sections at different flow rates (30, 50, and 80 cm^3/min).
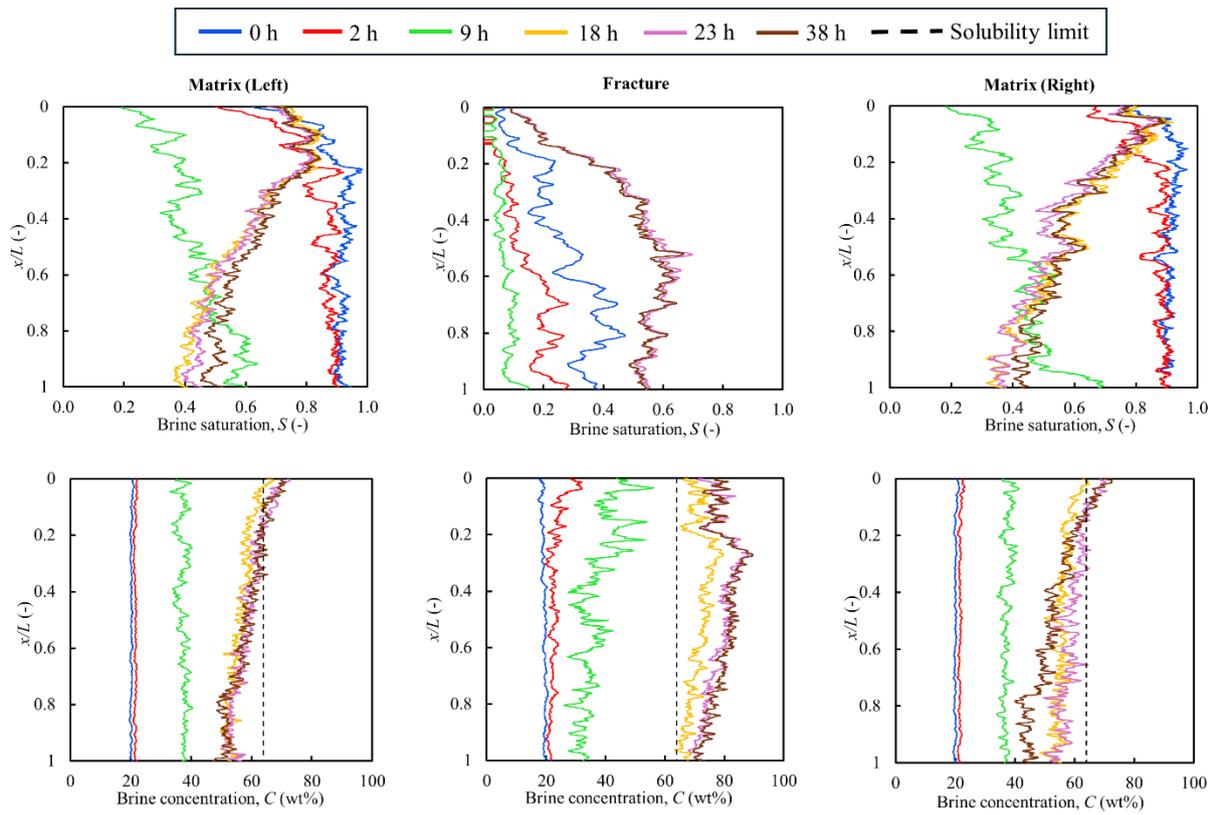
Fig. S3. Profiles of slice-averaged brine saturation and brine concentration at an injection rate of 50 cm³/min.